

**DECLARATION AND POWER OF ATTORNEY FOR  
UTILITY OR DESIGN PATENT APPLICATION**  
(37 CFR 1.63)

- ☐ Declaration Submitted with Initial Filing.  
☒ Declaration Submitted after Initial Filing  
(surcharge (37 CFR 1.16(e)) required).

Attorney Docket Number: 3380-Z  
First Named Inventor: Khader S. Abdel-Hafez  
COMPLETE IF KNOWN  
Application Number: 10/762,571  
Filing Date: January 23, 2004  
Group Art Unit:  
Examiner Name:

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Method and Apparatus for Debug, Diagnosis, and Yield Improvement for Scan-Based Integrated Circuits, the specification of which is attached hereto unless the following box is checked:

☒ was filed on January 23, 2004 as United States  
Application Serial No. 10/762,571 or PCT  
International Application No. \_\_\_\_\_ and was amended on \_\_\_\_\_  
(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

**Foreign Application(s) and/or Claim of Foreign Priority**

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Country	Application Number	Date Filed (MM/DD/YYYY)	Priority Claimed Under 35 U.S.C. §119
			<input type="checkbox"/> Yes <input type="checkbox"/> No

**Provisional Application**

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

Application Serial Number	Filing Date
60/442,901	January 28, 2003

**U.S. Priority Claim**

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial Number	Filing Date	Status - Patented/Pending/Abandoned

**POWER OF ATTORNEY**

I hereby appoint the following attorney to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:  
(Registration No. 18,957)

Address all correspondence to:

Jim Zegeer  
801 N. Pitt Street  
#108  
Alexandria, Virginia 22314

Phone: (703) 684-8333

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name (first and middle, if any), family name or surname): Khader S. Abdel-Hafez

First Inventor's signature 

Date April 1st, 2004

Residence : City San Francisco State California Citizenship: Jordan

Mailing Address: 37 San Jose Ave.  
San Francisco, CA 94110

Full name of second joint inventor (given name (first and middle, if any), family name or surname): Xiaoqing Wen

Second Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Residence: City Sunnyvale State California Citizenship: P.R. China

Mailing Address: 705 W. Fremont Ave., #4  
Sunnyvale, CA 94087

Full name of third inventor (given name (first and middle, if any),  
family name or surname): Laung-Terng (L.T.) Wang

Third Inventor's signature

Date March 26, 2004

Residence : City Sunnyvale State California Citizenship: U.S.A.

Mailing Address: 726 Winstead Terrace  
Sunnyvale, CA 94087

Full name of fourth joint inventor (given name (first and middle, if any),  
family name or surname): Po-Ching Hsu

Fourth Inventor's signature

Date Mar. 26, 2004

Residence : City Hsinchu State Taiwan Citizenship: Taiwan

Mailing Address: 145 Hsieh-Fu Road  
Hsinchu 310, Taiwan  
Taiwan, R.O.C.

Full name of fifth joint inventor (given name (first and middle, if any),  
family name or surname): Shih-Chia Kao

Fifth Inventor's signature

Date Mar. 26, 2004

Residence : City Taipei State Taiwan Citizenship: Taiwan

Mailing Address: 7F, No. 14, Lane 291, Section 1  
Kien-Kwo S. Road  
Taipei 106, Taiwan  
Taiwan, R.O.C.

Full name of sixth joint inventor (given name (first and middle, if any),  
family name or surname): Hao-Jan Chao

Sixth Inventor's signature

Date Mar 26, 2004

Residence : City Taoyuan State Taiwan Citizenship: Taiwan

Mailing Address: No. 5, Wu-Fu 4 St.  
Taoyuan 324, Taiwan  
Taiwan, R.O.C.

Full name of seventh joint inventor (given name (first and middle, if any), family name or surname): Hsin-Po Wang

Seventh Inventor's signature Hsin-Po Wang

Date Mar. 26, 2006

Residence : City Hsinchu State Taiwan

Citizenship: Taiwan

Mailing Address: No. 4, Alley 1, Lane 122, Section 2

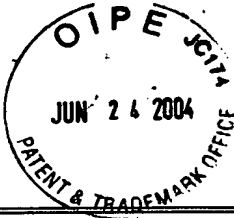
Chung-Hsin Road

Chu-Tung

Hsinchu 310, Taiwan

Taiwan, R.O.C.

[ ] Additional inventors are being named on separately numbered sheets attached hereto.



DECLARATION AND POWER OF ATTORNEY FOR  
UTILITY OR DESIGN PATENT APPLICATION  
(37 CFR 1.63)

☐ Declaration Submitted with Initial Filing.  
☒ Declaration Submitted after Initial Filing  
(surcharge (37 CFR 1.16(e)) required).

Attorney Docket Number: 3380-Z  
First Named Inventor: Khader S. Abdel-Hafez  
COMPLETE IF KNOWN  
Application Number: 10/762,571  
Filing Date: January 23, 2004  
Group Art Unit:  
Examiner Name:

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Method and Apparatus for Debug, Diagnosis, and Yield Improvement for Scan-Based Integrated Circuits, the specification of which is attached hereto unless the following box is checked:

☒ was filed on January 23, 2004 as United States  
Application Serial No. 10/762,571 or PCT  
International Application No. \_\_\_\_\_ and was amended on \_\_\_\_\_  
(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Country	Application Number	Date Filed (MM/DD/YYYY)	Priority Claimed Under 35 U.S.C. §119
			<input type="checkbox"/> Yes <input type="checkbox"/> No

Provisional Application

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

Application Serial Number	Filing Date
60/442,901	January 28, 2003

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial Number	Filing Date	Status - Patented/Pending/Abandoned

POWER OF ATTORNEY

I hereby appoint the following attorney to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:  
(Registration No. 18,957)

Address all correspondence to:

Jim Zegeer  
801 N. Pitt Street  
#108  
Alexandria, Virginia 22314

Phone: (703) 684-8333

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name (first and middle, if any),  
family name or surname): Khader S. Abdel-Hafez

First Inventor's signature \_\_\_\_\_

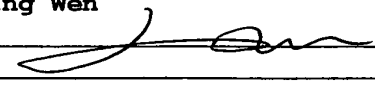
Date \_\_\_\_\_

Residence : City San Francisco State California Citizenship: Jordan

Mailing Address: 37 San Jose Ave.  
San Francisco, CA 94110

Full name of second joint inventor (given name (first and middle, if any),  
family name or surname): Xiaoqing Wen

Second Inventor's signature \_\_\_\_\_

Date 3/26/2009 

Residence: City Sunnyvale State California Citizenship: P.R. China

Mailing Address: 705 W. Fremont Ave., #4  
Sunnyvale, CA 94087

Full name of third inventor (given name (first and middle, if any),  
family name or surname): Laung-Terng (L.T.) Wang

Third Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Residence : City Sunnyvale State California Citizenship: U.S.A.

Mailing Address: 726 Winstead Terrace  
Sunnyvale, CA 94087

Full name of fourth joint inventor (given name (first and middle, if any),  
family name or surname): Po-Ching Hsu

Fourth Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Residence : City Hsinchu State Taiwan Citizenship: Taiwan

Mailing Address: 145 Hsieh-Fu Road  
Hsinchu 310, Taiwan  
Taiwan, R.O.C.

Full name of fifth joint inventor (given name (first and middle, if any),  
family name or surname): Shih-Chia Kao

Fifth Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Residence : City Taipei State Taiwan Citizenship: Taiwan

Mailing Address: 7F, No. 14, Lane 291, Section 1  
Kien-Kwo S. Road  
Taipei 106, Taiwan  
Taiwan, R.O.C.

Full name of sixth joint inventor (given name (first and middle, if any),  
family name or surname): Hao-Jan Chao

Fifth Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Residence : City Taoyuan State Taiwan Citizenship: Taiwan

Mailing Address: No. 5, Wu-Fu 4 St.  
Taoyuan 324, Taiwan  
Taiwan, R.O.C.

Full name of seventh joint inventor (given name (first and middle, if any), family name or surname): Hsin-Po Wang

Fifth Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Residence : City Hsinchu State Taiwan

Citizenship: Taiwan

Mailing Address: No. 4, Alley 1, Lane 122, Section 2

Chung-Hsin Road

Chu-Tung

Hsinchu 310, Taiwan

Taiwan, R.O.C.

[ ] Additional inventors are being named on separately numbered sheets attached hereto.